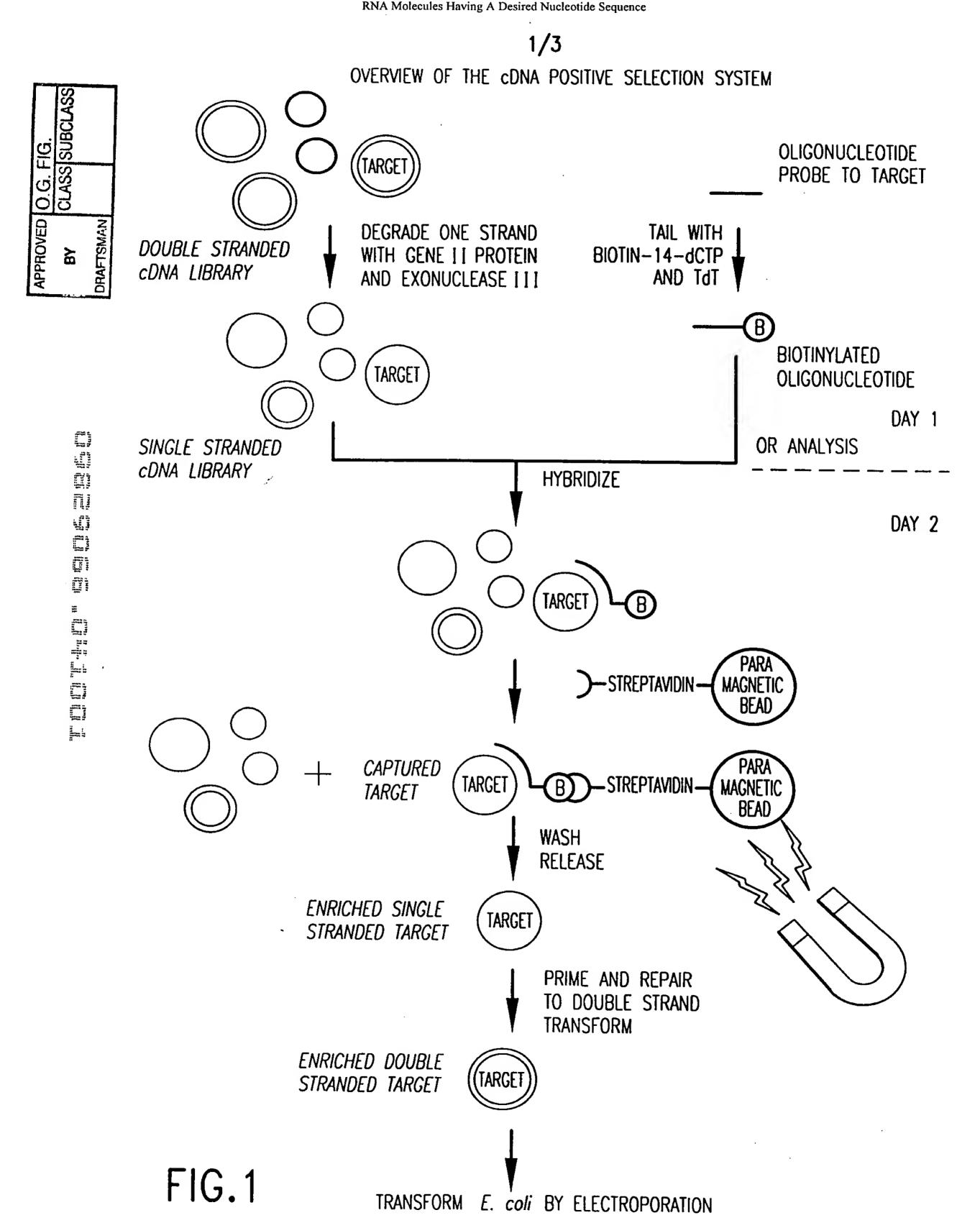
ppl. No. To be assigned; Group Art Unit: To be assigned t. No. 0942.4800002/RWE/ALS; Batch No.: entor(s): Nisson et al.; Tel: 202/371-2600
Title: Method for Isolating and Recovering Target DNA or RNA Melanular Having A Project Nucleatide S.





OVERVIEW OF GENE II-Exo III DIGESTION AND CAT OLIGONUCLEOTIDE BINDING

FIG.2

CLASS SUBCLASS

₩

Man Mari

The Hall Hall hall hall

<u>a</u>

 $\mathsf{Non}\text{-}\mathsf{ATG}$ 

(NONCODING) ANTISENSE

APPROVED O.G. FIG.

Appl. No. To be assigned; Group Art Unit: To be assigned

t. No. 0942.4800002/RWE/ALS; Batch No.:

entor(s): Nisson et al.; Tel: 202/371-2600 Title: Method for Isolating and Recovering Target DNA or RNA Molecules Having A Desired Nucleotide Sequence 3/3 APPROVED O.G. FIG.
RV CLASS SUBCLASS ALTERNATIVE METHOD FOR PCR AMPLIFICATION ENRICHED TARGET DNA DRAFTSMAN ON A INSERT A **VECTOR** D PCR (PRIMERS A+B) PCR (PRIMERS C+D) death half for and fall for her first 2. **SEGMENT** 3' SEGMENT (DENATURE, ANNEAL, PCR WITH PRIMER A AND PRIMER B)

3' SEGMENT **OVERLAP EXTENSION** 3' 3. SEGMENT **CLONE SEGMENT** CLONING VECTOR 4.

FIG.3

## Overview of the cDNA Positive Selection System Oligonucleotide Probe to Target Tail with Degrade one Strand Biotin-14-dCTP with Gene II Protein Double Stranded and TdT and Exonuclease III cona Library Biotinylated. Oligonucleotide DAY 1 or analysis Single Stranded cDNA Library Hybridize DAY 2 Magnetic Para Captured Target Magnetic Target 8ead Wash Release Enriched Single Target Stranded Target Prime and Repair to Double Strand Transform Enriched Double Stranded Target Figure 1 Transform E. coli by Electroporation

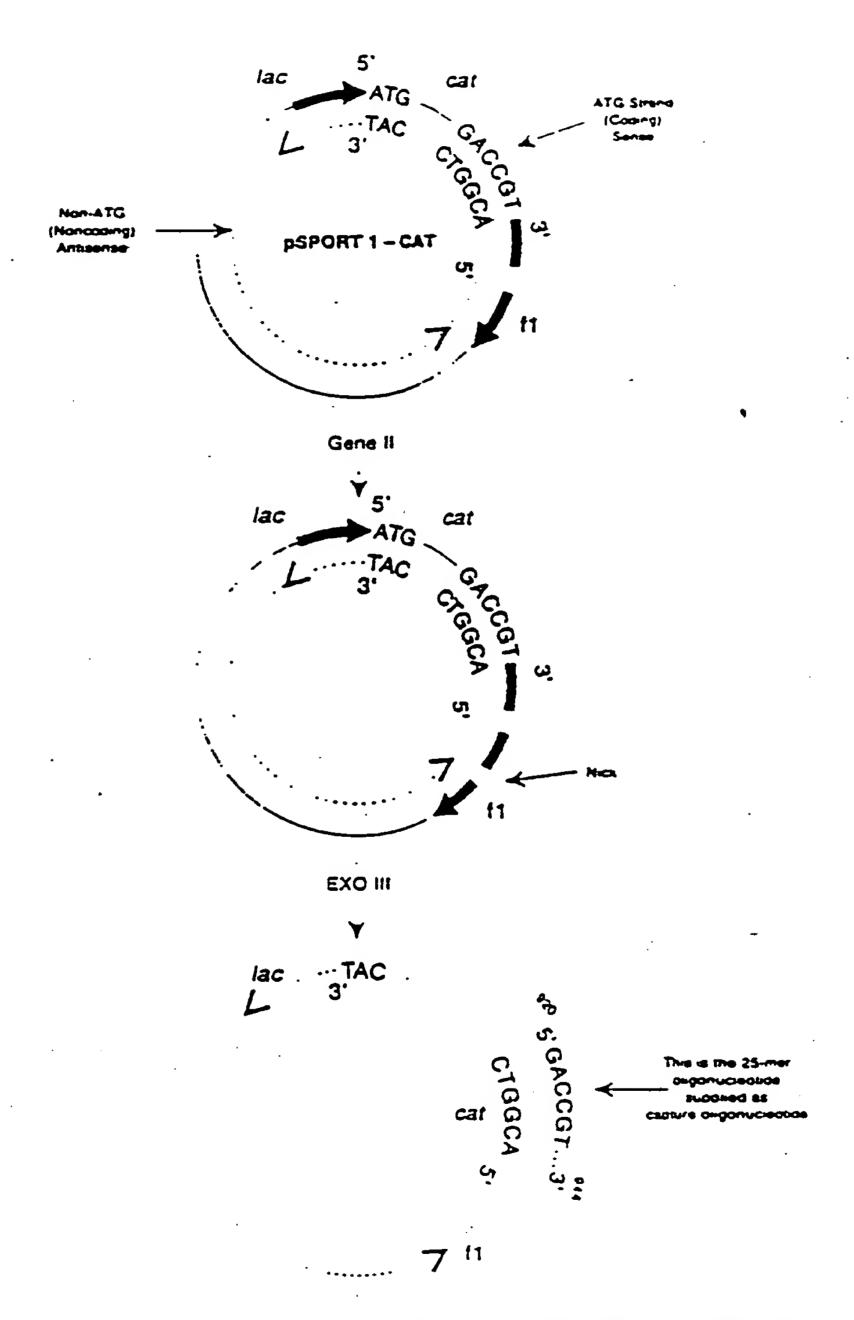


Figure 2. Overview of Gene II-Exo III digestion and CAT oligonucleotide binding.

FIGURE 3. ALTERNATIO - METHOD FOR PCR MMPI FICATION ENRICHED TARGET DNA ON A INSERT PCR (Primers C+D) PCR (Primers A.+B) SEGMENT 5' SEGMENT ( LENATURE, AMNEAL, PER WITH Primer B) OVERLAP EXTENSION -3' SEGMENT SCGMENT CIONE CLONING